



Archana Chandrashekhar Magare,

Assistant Professor, Computer Science and Engineering

Office at Room No. 02 (Staff Room, 2nd Floor, SoT),

School of Technology Building

archana.magare@gsfcuniversity.ac.in

Phone No. 9428761479

Education

- **Ph.D. Pursing in Computer Engineering**-Gujarat Technological University , Ahmedabad
- **Master's degree in Computer Science and Engineering**- North Maharashtra University, Jalgaon
- **Bachelor's degree in Information Technology**- North Maharashtra University, Jalgaon
- **Diploma in Computer Engineering**- Board of Technical Education, Mumbai

Key Skills

- A broad range of expertise in teaching Artificial Intelligence and data science subjects in Computer Science and engineering at the university level.
- Proven ability to effectively convey course material using various teaching techniques.
- Experience in teaching and developing curriculum for CSE courses.
- Experience in conducting research in CSE and publishing papers in relevant national and international journals and conferences.
- Strong analytical and problem-solving skills.
- Exceptional skills in programming languages such as C/C++, MATLAB, Python, R, WEKA, R-Shiny and Prolog.
- Expertise in the areas of Artificial intelligence, Machine Learning, software testing, software project management, software engineering, data mining and business intelligence

Teaching Experience: 18 Years

Background

Joined GSFC University in July 2022

Biography

Ms. Archana Magare is assistant professor in computer science and engineering department, School of Technology, GSFC University. She has secured second rank in GTU RP Presentation. Her research interest includes computational biology, early disease detection and identification using machine learning, statistical techniques in data science.

She has more than 18 years of Teaching Experience wherein she has served as Faculty in DOAECC centre for O, A & B level, ITM Universe, ITM(SLS) Baroda University and then GSFC University.

She has taught various subjects like artificial intelligence, software engineering, software testing, software project management, computer programming and utilization, programming for problem solving, Data Mining and Business Intelligence, Advance operating system, Visual basic, Soft Computing, Database Management System, R Programming for Data, Data Science for Engineers, Machine learning for Intelligent Systems.

She has also mentored and worked as a co-guide for a project at Shiraz University of Medical Sciences in Iran that focuses on using artificial intelligence and stochastic process techniques to analyze human psychiatric disorders. Ms. Archana Magare published more than 20 research papers in Scopus and Web of Science-based journals such as IEEE, Springer, and Journal of Advanced Medical Sciences and Applied Technologies(JAMSAT) and etc. She has also filed 2 patents related to modern software engineering techniques.

While Working at ITM(SLS) University, Vadodara, Ms. Archana Magare has awarded as “Best Employee of the Institute 2019” for significant contribution in Computer Science and Engineering department ,ITM(SLS) Baroda University, Vadodara.

Most Notable Publications

- **“Biomarkers Identification for Parkinson’s Disease using Machine Learning”** in IEEE explore 2021 International Conference on Artificial Intelligence and Machine Vision (AIMV), 2021, pp. 1-6, doi: 10.1109/AIMV53313.2021.9670941. ISBN: 978-1-6654-4211-4 Date **Added to IEEE Explore- 10 January 2022.**
- **“Artificial Intelligence and Stochastic Process-Based Analysis of Human Psychiatric Disorders”**, in Journal of Advanced Medical Sciences and Applied Technologies(JAMSAT),2021,ISSN-2423-5903,EISSN-2538-447.
- **“Inherent Mapping Analysis of Agile Development Methodology Through Design Thinking”**, In: Kotecha K., Piuri ,V., Shah H., Patel R. (eds) Data Science and Intelligent Applications. Lecture Notes on Data Engineering and Communications Technologies, vol 52. Springer, Singapore. https://doi.org/10.1007/978-981-15-4474-3_57; June-2020
- **“Emotion Model for Artificial Intelligence and their Applications”**, In IEEE 2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC), Solan Himachal Pradesh, India, 2018, pp. 335-339.doi:10.1109/PDGC.2018.8745840 **Date Added to IEEE Explore- 27 June 2019.**
- **“Cognitive evolution in software development life cycle through design thinking”**, in COMPUTER MODELLING & NEW TECHNOLOGIES 2017 21(3) 31-34 (Scientific and research journal of Latvian Transport Development and Education Association, Latvia).